

**AMENDMENTS TO THE SPECIFICATION**

**Please replace the paragraph on page 1, line 5 with the following amended paragraph:**

**~~TECHNICAL FIELD~~ FIELD OF THE INVENTION**

**Please replace the paragraph on page 1, line 9 with the following amended paragraph:**

**~~BACKGROUND ART~~ BACKGROUND OF THE INVENTION**

**Please replace the paragraph on page 3, line 15 with the following amended paragraph:**

**~~DISCLOSURE SUMMARY~~ OF THE INVENTION**

**Please replace the paragraph on page 17, line 5 with the following amended paragraph:**

**~~BEST MODE FOR CARRYING OUT INVENTION~~ DETAILED DESCRIPTION OF THE INVENTION**

**Please replace the paragraph on page 17, line 11 with the following amended paragraph:**

Referring to Figures 1-3, there is illustrated a dehumidification unit  $Z_1$  formed in accordance with a first embodiment of the present invention. ~~The dehumidification unit  $Z_1$  is the result of the application of inventions as set forth in claim 1, claim 2, claim 5, and claim 8.~~ As shown in Figure 1, the dehumidification unit  $Z_1$  is formed in the following way. A plurality of adsorption elements 1, 1, ... and a plurality of cooling elements 2, 2, ... are laminated sequentially alternately in a 90-degree plane phase. Then, such a laminated body is provided, at its both ends relative to the lamination direction, with end plates 9, 9, as shown in Figure 3. Two end plates 9, 9 are connected together by four frame members 10, 10, ... which are arranged along the four corners of the laminated body, whereby these components are combined into a

single piece. Hereinafter, specific constructions for the adsorption element 1 and the cooling element 2 will be described.

**Please replace the paragraph on page 21, line 24 with the following amended paragraph:**

In the present embodiment, one of the pair of the side-plate members 12, 12 of the adsorption element 1 that is provided with the separation sheet layer 14 corresponds to the “plate member P” ~~in the claims.~~

**Please replace the paragraph on page 22, line 1 with the following amended paragraph:**

Referring to Figures 4 and 5, there is illustrated a dehumidification unit  $Z_2$  formed in accordance with a second embodiment of the present invention. ~~The dehumidification unit  $Z_2$  is the result of the application of inventions as set forth in claim 1, claim 2, claim 3, claim 5, and claim 8.~~ As can be seen from Figure 4, the dehumidification unit  $Z_2$  is formed by sequentially alternately laminating a plurality of adsorption elements 1, 1, ... and a plurality of cooling elements 2, 2, ... one upon the other in a 90-degree plane phase. The dehumidification unit  $Z_2$  of the present embodiment is identical in basic construction with the dehumidification unit  $Z_1$  of the first embodiment, with the exception that the adsorption element 1 of the dehumidification unit  $Z_2$  differs in construction from the adsorption element 1 of the dehumidification unit  $Z_1$ .

**Please replace the paragraph on page 23, line 16 with the following amended paragraph:**

Additionally, in the present embodiment the side-plate member 12 of the absorption element 1 and the side-plate member 22 of the cooling element 2 each correspond to the “plate member P” ~~as set forth in the claims.~~

**Please replace the paragraph on page 23, line 20 with the following amended paragraph:**

Referring to Figures 6 and 7, there is illustrated a dehumidification unit  $Z_3$  formed in accordance with a third embodiment of the present invention. ~~The dehumidification unit  $Z_3$  is the result of the application of inventions as set forth in claim 1, claim 2, claim 5, and claim 8.~~ As shown in Figure 6, the dehumidification unit  $Z_3$  is formed by sequentially alternately laminating a plurality of adsorption elements 1, 1, ... and a plurality of cooling elements 2, 2, ... one upon the other in a 90-degree plane phase. The dehumidification unit  $Z_3$  of the present embodiment is identical in basic construction with the dehumidification unit  $Z_1$  of the first embodiment, with the exception that they differ from each other in construction of the adsorption element 1 as well as in construction of the cooling element 2.

**Please replace the paragraph on page 25, line 8 with the following amended paragraph:**

Additionally, in the present embodiment, each of the pair of the side-plate members 12, 12 of the adsorption element 1 corresponds to the "plate member P", ~~as set forth in the claims.~~

**Please replace the paragraph on page 25, line 12 with the following amended paragraph:**

Referring to Figures 8-10, there is illustrated a dehumidification unit  $Z_4$  formed in accordance with a fourth embodiment of the present invention. ~~The dehumidification unit  $Z_4$  is the result of the application of inventions as set forth in claim 1, claim 2, claim 6, and claim 8.~~ As shown in Figure 8, the dehumidification unit  $Z_4$  is formed by sequentially alternately laminating a plurality of adsorption elements 1, 1, ... and a plurality of cooling elements 2, 2, ... one upon the other in a 90-degree plane phase. The dehumidification unit  $Z_4$  of the present embodiment is identical in basic construction with the dehumidification unit  $Z_3$  of the third embodiment, with the exception that they differ from each other in the cooling element's 2 construction.

**Please replace the paragraph on page 29, line 15 with the following amended paragraph:**

Additionally, in the present embodiment, each of the pair of the side-plate members **16**, **16** of the adsorption element **1** corresponds to the “plate member **P**” ~~as set forth in the claims.~~

**Please replace the paragraph on page 29, line 19 with the following amended paragraph:**

Referring to Figures **13-15**, there is illustrated a dehumidification unit **Z<sub>6</sub>** formed in accordance with a sixth embodiment of the present invention. ~~The dehumidification unit **Z<sub>6</sub>** is the result of the application of inventions as set forth in claim 1, claim 4, and claim 7.~~ As shown in Figure **13**, the dehumidification unit **Z<sub>6</sub>** is formed by sequentially alternately laminating a plurality of adsorption elements **1, 1, ...** and a plurality of cooling elements **2, 2, ...** one upon the other in a 90-degree plane phase, and by firmly joining together the elements thus laminated by the upper and lower end plates **9, 9** and the four frame members **10, 10, ...**. The dehumidification unit **Z<sub>6</sub>** of the present embodiment is similar in basic configuration to the dehumidification unit **Z<sub>5</sub>** of the fifth embodiment, with the exception that they differ from each other in the cooling element's **2** configuration.

**Please replace the paragraph on page 33, line 3 with the following amended paragraph:**

Moreover, separation sheet layers **14, 14** (which correspond to the “waterproofing means **14**” ~~in the claims~~) are formed on exterior surfaces **12a, 12a** of the side-plate members **12, 12**, respectively. The separation sheet layer **14** is provided so that, when the dehumidification unit is formed by arranging the cooling element **2** on each side of the adsorption element **1** in a face-to-face manner, it is possible to secure the seal properties between the adsorption element **1** and each cooling element **2**. In the present embodiment, the separation sheet layer **14** is formed by attachment of a plastic film to the exterior surface **12a** of the side-plate member **12**, by application of an organic binder, such as aqueous urethane resin etcetera, to the exterior surface

**12a**, or by vapor deposition of a metallic material of high heat transfer rate (for example, aluminum, copper etcetera) on the exterior surface **12a**.